

pg3600 Seq Listing.txt
SEQUENCE LISTING



<110> Glaxo Group Limited
Farrow, Stuart N
Kaptein, Allard
Kitson, Jeremy DA
Winder, Alison J

<120> Novel Ligand

<130> PG3600

<140> PCT/EP99/07303
<141> 1999-10-05

<150> GB 9828628.9
<151> 1998-12-23

<160> 8

<170> PatentIn Ver. 2.1

<210> 1
<211> 153
<212> PRT
<213> Homo sapiens

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35 40 45
Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe Ile Tyr
50 55 60
Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His Leu Ile
65 70 75 80
Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr
85 90 95
Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn Asn Ser
100 105 110
Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Gly Leu Gln
115 120 125
Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu Asp Gly Asp Val
130 135 140
Thr Phe Phe Gly Ala Leu Lys Leu Leu
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<210> 2
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Arg Lys Glu Ser Pro Ser Val Arg Ser Ser Lys Asp Gly Lys Leu Leu
35 40 45
Ala Ala Thr Leu Leu Ala Leu Leu Ser Cys Cys Leu Thr Val Val
50 55 60
Ser Phe Tyr Gln Val Ala Ala Leu Gln Gly Asp Leu Ala Ser Leu Arg
65 70 75 80
Ala Glu Leu Gln Gly His His Ala Glu Lys Leu Pro Ala Gly Ala Gly
85 90 95
Ala Pro Lys Ala Gly Leu Glu Ala Pro Ala Val Thr Ala Gly Leu
100 105 110
Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Asn
115 120 125
Ser Arg Asn Lys Arg Ala Val Gln Gly Pro Glu Glu Thr Val Thr Gln
130 135 140
Asp Cys Leu Gln Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys
145 150 155 160
Gly Ser Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser
165 170 175
Ala Leu Glu Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr
180 185 190
Phe Phe Ile Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met
195 200 205
Gly His Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu
210 215 220
Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu
225 230 235 240
Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly
245 250 255
Asp Gly Leu Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu
260 265 270
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<210> 3
<211> 462
<212> DNA
<213> Homo sapiens

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<220>
<221> CDS
<222> (1)..(462)

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ctg att gca gac agt gaa aca cca act ata caa aaa gga tct tac aca 96
Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys Gly Ser Tyr Thr
20 25 30
ttt gtt cca tgg ctt ctc agc ttt aaa agg gga agt gcc cta gaa gaa 144
Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser Ala Leu Glu Glu
35 40 45
aaa gag aat aaa ata ttg gtc aaa gaa act ggt tac ttt ttt ata tat 192
Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr Phe Phe Ile Tyr
50 55 60
ggc cag gtt tta tat act gat aag acc tac gcc atg gga cat cta att 240
Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met Gly His Leu Ile
65 70 75 80
cag agg aag aag gtc cat gtc ttt ggg gat gaa ttg agt ctg gtg act 288
Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr
85 90 95
ttg ttt cga tgt att caa aat atg cct gaa aca cta ccc aat aat tcc 336
Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu Pro Asn Asn Ser
100 105 110
tgc tat tca gct ggc att gca aaa ctg gaa gaa gga gat gga ctc caa 384
Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly Asp Gly Leu Gln
115 120 125
ctt gca ata cca aga gaa aat gca caa ata tca ctg gat gga gat gtc 432
Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu Asp Gly Asp Val
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Thr Phe Phe Gly Ala Leu Lys Leu Leu
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<210> 4
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (1)..(858)

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1 5 10 15
aag aaa aga gaa gaa atg aaa ctg aag gag tgg ttt tcc atc ctc cca 96
Lys Lys Arg Glu Glu Met Lys Leu Lys Glu Cys Val Ser Ile Leu Pro
Page 3

cgg aag gaa agc ccc tct gtc cga tcc tcc aaa gac gga aag ctg ctg	144
Arg Lys Glu Ser Pro Ser Val Arg Ser Ser Lys Asp Gly Lys Leu Leu	
35 40 45	
gct gca acc ttg ctg ctg gca ctg ctg tct tgc tgc ctc acg gtg gtg	192
Ala Ala Thr Leu Leu Ala Leu Leu Ser Cys Cys Leu Thr Val Val	
50 55 60	
tct ttc tac cag gtg gcc gcc ctg caa ggg gac ctg gcc agc ctc cgg	240
Ser Phe Tyr Gln Val Ala Ala Leu Gln Gly Asp Leu Ala Ser Leu Arg	
65 70 75 80	
gca gag ctg cag ggc cac cac gcg gag aag ctg cca gca gga gca gga	288
Ala Glu Leu Gln Gly His His Ala Glu Lys Leu Pro Ala Gly Ala Gly	
85 90 95	
gcc ccc aag gcc ggc ctg gag gaa gct cca gct gtc acc gcg gga ctg	336
Ala Pro Lys Ala Gly Leu Glu Ala Pro Ala Val Thr Ala Gly Leu	
100 105 110	
aaa atc ttt gaa cca cca gct cca gga gaa ggc aac tcc agt cag aac	384
Lys Ile Phe Glu Pro Pro Ala Pro Gly Glu Gly Asn Ser Ser Gln Asn	
115 120 125	
agc aga aat aag cgt gcc gtt cag ggt cca gaa gaa aca gtc act caa	432
Ser Arg Asn Lys Arg Ala Val Gln Gly Pro Glu Glu Thr Val Thr Gln	
130 135 140	
gac tgc ttg caa ctg att gca gac agt gaa aca cca act ata caa aaa	480
Asp Cys Leu Gln Leu Ile Ala Asp Ser Glu Thr Pro Thr Ile Gln Lys	
145 150 155 160	
gga tct tac aca ttt gtt cca tgg ctt ctc agc ttt aaa agg gga agt	528
Gly Ser Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys Arg Gly Ser	
165 170 175	
gcc cta gaa gaa aaa gag aat aaa ata ttg gtc aaa gaa act ggt tac	576
Ala Leu Glu Glu Lys Glu Asn Lys Ile Leu Val Lys Glu Thr Gly Tyr	
180 185 190	
ttt ttt ata tat ggt cag gtt tta tat act gat aag acc tac gcc atg	624
Phe Phe Ile Tyr Gly Gln Val Leu Tyr Thr Asp Lys Thr Tyr Ala Met	
195 200 205	
gga cat cta att cag agg aag aag gtc cat gtc ttt ggg gat gaa ttg	672
Gly His Leu Ile Gln Arg Lys Lys Val His Val Phe Gly Asp Glu Leu	
210 215 220	
agt ctg gtg act ttg ttt cga tgt att caa aat atg cct gaa aca cta	720
Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro Glu Thr Leu	
225 230 235 240	
ccc aat aat tcc tgc tat tca gct ggc att gca aaa ctg gaa gaa gga	768
Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Lys Leu Glu Glu Gly	
245 250 255	
gat gga ctc caa ctt gca ata cca aga gaa aat gca caa ata tca ctg	816
Asp Gly Leu Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln Ile Ser Leu	
260 265 270	
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 275 280 285

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 <212> PRT
 <213> Mus sp.

<400> 5
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 Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln
 35 40 45
 Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile
 50 55 60
 Phe Ala Met Gly His Val Ile Gln Arg Lys Lys Val His Val Phe Gly
 65 70 75 80
 Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro
 85 90 95
 Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Arg Leu
 100 105 110
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 35 40 45
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 50 55 60
 Met Ser Leu Tyr Gln Leu Ala Ala Leu Gln Ala Asp Leu Met Asn Leu
 65 70 75 80
 Arg Met Glu Leu Gln Ser Tyr Arg Gly Ser Ala Thr Pro Ala Ala Ala

Gly Ala Pro Glu Leu Thr Ala Gly Val Lys Leu Leu Thr Pro Ala Ala
100 105 110
Pro Arg Pro His Asn Ser Ser Arg Gly His Arg Asn Arg Arg Ala Phe
115 120 125
Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro
130 135 140
Ala Pro Cys Leu Pro Gly Cys Arg His Ser Gln His Asp Asp Asn Gly
145 150 155 160
Met Asn Leu Arg Asn Ile Ile Gln Asp Cys Leu Gln Leu Ile Ala Asp
165 170 175
Ser Asp Thr Pro Thr Ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp
180 185 190
Leu Leu Ser Phe Lys Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys
195 200 205
Ile Val Val Arg Gln Thr Gly Tyr Phe Ile Tyr Ser Gln Val Leu
210 215 220
Tyr Thr Asp Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys
225 230 235 240
Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys
245 250 255
Ile Gln Asn Met Pro Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala
260 265 270
Gly Ile Ala Arg Leu Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro
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ata cga aaa gga act tac aca ttt gtt cca tgg ctt ctc agc ttt aaa 96
Ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp Leu Leu Ser Phe Lys
20 25 30

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Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys Ile Val Val Arg Gln	
35 40 45	
aca ggc tat ttc ttc atc tac agc cag gtt cta tac acg gac ccc atc	192
Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu Tyr Thr Asp Pro Ile	
50 55 60	
ttt gct atg ggt cat gtc atc cag agg aag aaa gta cac gtc ttt ggg	240
Phe Ala Met Gly His Val Ile Gln Arg Lys Lys Val His Val Phe Gly	
65 70 75 80	
gac gag ctg agc ctg gtg acc ctg ttc cga tgt att cag aat atg ccc	288
Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys Ile Gln Asn Met Pro	
85 90 95	
aaa aca ctg ccc aac aat tcc tgc tac tcg gct ggc atc gcg agg ctg	336
Lys Thr Leu Pro Asn Asn Ser Cys Tyr Ser Ala Gly Ile Ala Arg Leu	
100 105 110	
gaa gaa gga gat gag att cag ctt gca att cct cgg gag aat gca cag	384
Glu Glu Gly Asp Glu Ile Gln Leu Ala Ile Pro Arg Glu Asn Ala Gln	
115 120 125	
att tca cgc aac gga gac gac acc ttc ttt ggt gcc cta aaa ctg ctg	432
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pg3600 Seq Listing.txt

cgc atg gag ctg cag agc tac cga ggt tca gca aca cca gcc gcc gcg	288
Arg Met Glu Leu Gln Ser Tyr Arg Gly Ser Ala Thr Pro Ala Ala Ala	
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ggt gct cca gag ttg acc gct gga gtc aaa ctc ctg acg ccg gca gct	336
Gly Ala Pro Glu Leu Thr Ala Gly Val Lys Leu Leu Thr Pro Ala Ala	
100 105 110	
cct cga ccc cac aac tcc agc cgc ggc cac agg aac aga cgc gct ttc	384
Pro Arg Pro His Asn Ser Ser Arg Gly His Arg Asn Arg Arg Ala Phe	
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Gln Gly Pro Glu Glu Thr Glu Gln Asp Val Asp Leu Ser Ala Pro Pro	
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Ala Pro Cys Leu Pro Gly Cys Arg His Ser Gln His Asp Asp Asn Gly	
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Ser Asp Thr Pro Thr Ile Arg Lys Gly Thr Tyr Thr Phe Val Pro Trp	
180 185 190	
ctt ctc agc ttt aaa aga gga aat gcc ttg gag gag aaa gag aac aaa	624
Leu Leu Ser Phe Lys Arg Gly Asn Ala Leu Glu Glu Lys Glu Asn Lys	
195 200 205	
ata gtg gtg agg caa aca ggc tat ttc ttc atc tac agc cag gtt cta	672
Ile Val Val Arg Gln Thr Gly Tyr Phe Phe Ile Tyr Ser Gln Val Leu	
210 215 220	
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Tyr Thr Asp Pro Ile Phe Ala Met Gly His Val Ile Gln Arg Lys Lys	
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gta cac gtc ttt ggg gac gag ctg agc ctg gtg acc ctg ttc cga tgt	768
Val His Val Phe Gly Asp Glu Leu Ser Leu Val Thr Leu Phe Arg Cys	
245 250 255	
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260 265 270	
ggc atc gcg agg ctg gaa gaa gga gat gag att cag ctt gca att cct	864
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275 280 285	
cgg gag aat gca cag att tca cgc aac gga gac gac acc ttc ttt ggt	912
Arg Glu Asn Ala Gln Ile Ser Arg Asn Gly Asp Asp Thr Phe Phe Gly	
290 295 300	
gcc cta aaa ctg ctg taa	930
Ala Leu Lys Leu Leu	
305	